

**UNCLASSIFIED**

PE NUMBER: 0308601F  
 PE TITLE: Modeling and Simulation Support

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>February 2004</b>
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<b>BUDGET ACTIVITY</b> <b>07 Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0308601F Modeling and Simulation Support</b>
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Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	1.936	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5052 JTC/SIL MUSE	1.936	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

In FY04, Project 675052, Joint Technology Center/Systems Integration Laboratory (JTC/SIL) efforts are reflected in the Joint Military Intelligence Program/Defense Air Reconnaissance Program (Program Element 0305206F).

**(U) A. Mission Description and Budget Item Justification**

The Joint Technology Center/System Integration Laboratory Multiple Unmanned Aerial Vehicle (UAV) Simulation Environment (JTC/SIL MUSE) provides and develops simulations of Unmanned Aerial Vehicles. Specifically, their tactical and strategic reconnaissance uses and how their imagery products are used in the DoD reconnaissance system. These simulations are applied for the development of the Army's Tactical UAV (TUAV), the Navy's Vertical Takeoff UAV (VTUAV), Air Force's Predator medium altitude Endurance UAV (EUAV) and the Air Force's Global Hawk high altitude EUAV.

This program is in BA 7 to support the development activity of JTC/SIL MUSE.

**(U) B. Program Change Summary (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Previous President's Budget	1.953	0.000	0.000
(U) Current PBR/President's Budget	1.936	0.000	0.000
(U) Total Adjustments	-0.017	0.000	
(U) Congressional Program Reductions	-0.022		
Congressional Rescissions	0.000		
Congressional Increases	0.042		
Reprogrammings	-0.037		
SBIR/STTR Transfer	0.000		

**(U) Significant Program Changes:**

In FY04, Project 675052, Joint Technology Center/Systems Integration Laboratory Multiple UAV Simulation Environment (JTC/SIL MUSE) work transferred to Program Element 0305206F.

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**February 2004**

BUDGET ACTIVITY <b>07 Operational System Development</b>				PE NUMBER AND TITLE <b>0308601F Modeling and Simulation Support</b>			PROJECT NUMBER AND TITLE <b>5052 JTC/SIL MUSE</b>		
Cost (\$ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
5052 JTC/SIL MUSE	1.936	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

In FY04, Project 675052, Joint Technology Center/Systems Integration Laboratory Multiple Unmanned Aerial Vehicle (UAV) Simulation Environment (JTC/SIL MUSE) work transferred to Program Element 0305206F.

**(U) A. Mission Description and Budget Item Justification**

The Joint Technology Center/System Integration Laboratory Multiple Unmanned Aerial Vehicle (UAV) Simulation Environment (JTC/SIL MUSE) provides and develops simulations of Unmanned Aerial Vehicles. Specifically, their tactical and strategic reconnaissance uses and how their imagery products are used in the DoD reconnaissance system. These simulations are applied for the development of the Army's Tactical UAV (TUAV), the Navy's Vertical Takeoff UAV (VTUAV), Air Force's Predator medium altitude Endurance UAV (EUAV) and the Air Force's Global Hawk high altitude EUAV.

This program is in BA 7 to support the development activity of JTC/SIL MUSE.

**(U) B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) JTC/SIL MUSE	1.936	0.000	0.000
(U) Total Cost	1.936	0.000	0.000

**(U) C. Other Program Funding Summary (\$ in Millions)**

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) N/A								Continuing	TBD

**(U) D. Acquisition Strategy**

All major contracts for JTC/SIL MUSE will be awarded after full and open competition.

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**Exhibit R-3, RDT&E Project Cost Analysis**

DATE

**February 2004**

BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE				
<b>07 Operational System Development</b>			<b>0308601F Modeling and Simulation Support</b>					<b>5052 JTC/SIL MUSE</b>				
(U) <u>Cost Categories</u>	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>Cost to</u>	<u>Total</u>	<u>Target</u>
(Tailor to WBS, or System/Item Requirements) (\$ in Millions)			<u>Prior to FY</u>	<u>2003</u>	<u>2003</u>	<u>2004</u>	<u>2004</u>	<u>2005</u>	<u>2005</u>	<u>Complete</u>	<u>Cost</u>	<u>Value of</u>
			<u>2003</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>	<u>Cost</u>	<u>Award</u>			<u>Contract</u>
			<u>Cost</u>		<u>Date</u>		<u>Date</u>		<u>Date</u>			
(U) <u>Product Development</u>												
JTC/SIL MUSE	MIPR	Redstone Arsenal, AL	0.000	1.936	May-03	0.000		0.000		Continuing	TBD	
Subtotal Product Development			0.000	1.936		0.000		0.000		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u>												
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test &amp; Evaluation</u>												
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
Subtotal Management			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U)												
Subtotal			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Total Cost			0.000	1.936		0.000		0.000		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2004

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0308601F Modeling and Simulation Support

PROJECT NUMBER AND TITLE

5052 JTC/SIL MUSE

JTC/SIL MUSE

Acquisition Milestones	FY03	FY04	FY05	FY06	FY07	FY09	FY10	FY11
System Simulation Interfaces	3-4Q							

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<b>Exhibit R-4a, RDT&amp;E Schedule Detail</b>		DATE <b>February 2004</b>
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BUDGET ACTIVITY <b>07 Operational System Development</b>	PE NUMBER AND TITLE <b>0308601F Modeling and Simulation Support</b>	PROJECT NUMBER AND TITLE <b>5052 JTC/SIL MUSE</b>
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(U) <u>Schedule Profile</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
(U) Air Force Synthetic Environment for Reconnaissance and Surveillance (AFSERS) Modeling/System Simulation Interface	3-4Q		